

AFM Lab Start Guide

Please read this before starting AFM lab.

Sample handling

1. Bring the sample stage ALL THE WAY DOWN when changing samples. (You must practice sample change on the "training AFM" before doing it on your AFM)
2. Always keep samples in a covered case when not in use.
3. Always handle them with tweezers.
4. Use gloves when handling E.coli samples.

Cantilever probe handling

1. Ask an instructor for probe change.
2. Try not to break the cantilever. Always look under stereomicroscope when bringing samples in contact with cantilever (look for its reflection on the shiny sample surface)

Laser alignment and focus

1. Needs to be done every time you change probe.

Device setup connections.

1. Do NOT change the angle of the column (Do not touch the two screws on the back of AFM)
2. Do not unplug/plug cable connections while the power supply is turned on -it will damage the power supply